KHRISTICH, V.A., kand. tekkin. mauk; OL'KHOVSKIY, G.G.; CHERNIN, Ye.N., inzh.; BASHKATOV, Yu.H., Inzh.; SHEVCHENKO, A.M., inzh.; TUMANOVSKIY, A.G., inzh.; GOROBATS, V.S., izah.

Some results of the tests and adjustment of the combustion chambers of the gt-25-700 and gtn-9-750 gas turbine power systems. Teploenergetika 12 no.2:16-20 F '05. (MIRA 18:3)

1. Vsesovuznyv ordana Trudovogo Krasnogo Znameni teplotekhnicheskiy institut imeni F.E. Dzerzhinskogo; Kiyevskiy politekhnicheskiy institut i Leningradskiy metallicheskiy zavod.

5/0143/64/000/001/0063/0068

ACCESSION NR: AP4014235

AUTHOR: Khristich, V. A. (Candidate of technical sciences);

Shevchenko, A. M. (Engineer)

TITLE: Effect of the operating mode and injector design upon the temperature level of the flame-tube walls in a gas-turbine combustor

SOURCE: IVUZ. Energetika, no. 1, 1964, 63-68 TOPIC TAGS: gas turbine, gas turbine combustor, flame tube, flame tube wall temperature, gas turbine injector, injector design, gas turbine operating mode

ABSTRACT: An experimental investigation is reported of the effect of (a) airfuel ratio in the chamber, (b) inlet air temperature, (c) injector design, (d) fuel distribution between the principal and keep-alive injectors, and (e) combustion mode, upon the temperature level of the flame-tube walls. Natural gas from the Dashava fields was used in a large-scale (1:2.5) model of the GT-25-700 gasturbine combustor. These injector types were tested: (1) pre-mixing register type with 45° blades, (2) diffusion air-twisting register type, (3) diffusion, non-

Card 1/2

# ACCESSION NR: AP4014235

register, cone-stabilizer type. In the center of the principal injectors, a diffusion-type keep-alive injector was mounted; the latter could receive from 0 to 30% of the fuel gas. The total air-fuel ratio was 5-8, primary air ratio 1.2-2.0, initial air temperature 373-673K, combustor pressure 1.2-1.4 atm. Heat generation was  $(5-10) \times 10^6$  kcal/m³ hr. atm, forcing  $(4-9) \times 10^6$  kcal/m² hr. atm. It was found that the nonregister-type injector ensures the lowest temperature of the combustor walls; that the fuel distribution between the two injectors affects appreciably the wall temperature; that chugging tends to increase the wall temperature by 50-100G. Orig. art. has: 6 figures.

ASSOCIATION: Kiyevskiy politekhnicheskiy institut (Kiev Polytechnic Institute)

SUBMITTED: 17Jun63

DATE ACQ: 03Mar64

ENCL: 00

SUB CODE: PR, AP

NO REF SOV: 004

OTHER: 000

Card 2/2

KHRISTICH, V.A., kand.tekhn.nauk; SHEVCHENKO, A.M., inzh.

Some special features of the operation of telescopic flame pipes with deep overlap of the shells. Izv.vys.ucheb.zav.; energ. 5 no.11:69-73 N '62. (MIRA 15:12)

1. Kiyevskiy ordena Lenina politekhnicheskiy institut. Predstavlena kafedroy parovykh i gazovykh turbin. (Gas turbines)

KHRISTICH, V.A., kand.tekhn.nauk; BASHKATOV, Yu.N., inzh.; CHERNIN, Ye.N., inzh.; SHEVCHENKO, A.M., inzh.

Results of tests and final study using a model of the combustion chamber of the GT-25-700-1 gas turbine system with preliminary fuel atomization. Energomashinostroenie 8 no.10:10-13 0 62. (MIRA 15:11)

(Gas turbines)

កំត់/ ក់ខ្ ACC NR. AR6003724 SOURCE CODE: UR/0285/65/000/009/0021/0021 AUTHOR: Khristich, V. A.; Shevchenko, A. M. Cooling efficiency of the perforated flame tube of a gas turbine combustion TITLE: chamber SOURCE: Ref. zh. Turbostroyeniye, Abs. 9.49.140 REF SOURCE: Vestn. Kiyevsk. politekhn. in-ta. Ser. teploenerg., no. 1, 1964, 50-57 TOPIC TAGS: gas turbine engine, natural gas, combustion chamber, flame tube, gas fuel ENGINE COMPONENT, ENGINE COOLING SYSTEM, COMBUSTION CHAMBER WALL TEMPERATORE ABSTRACT: The tube is a plane perforated cylinder, simple in shape and to manufacture Air from the circular channel of the chamber enters the inner hollow of the flame tube through the holes, creating a dense low temperature layer along its walls, thus decreasing the convective heating of the walls, and facilitating removal of some amount of heat produced by radiation. The tube tendency to wrapping is diminished, the life of the chamber is increased, and the amount of heat-resisting steel used is reduced. The tube is promising for use in combustion chambers working on gas fuel. T. Gonikberg. SUBM DATE: none/ SUB CODE: 1/1 621.438.001.5

ACC NRI AR6028073

(M,A)

SOUNCE CODE: UR/0124/66/000/005/B051/B052

AUTHORS: Khristich, V. A.; Shevchenko, A. M.

TITLE: Several characteristics of heat transfer in a gas turbine combustion chamber operating on gaseous fuel

SOURCE: Ref. zh. Mekhanika, Abs. 58314

REF SOURCE: Vestn. Kiyevsk. politekhn. in-ta. Ser. teploenerg., no. 2, 1965, 26-33

TOPIC TAGS: gas turbine engine, combustion chamber, combustion research, flame tube, thermocouple

ABSTRACT: Experiments were performed on a common single-register combustion chamber of the straight-flow type. The flame-tube is welded as a single unit. Three rings of 4-mm diameter openings for cooling air are located on its shoulders, and the flame-tube wall cooling is compound. The fuel unit is of the diffusion type. Air is introduced into the combustion region through the register and a perforated cup. To determine the metal and air temperatures, 39 and 8 chromel-aluminum thermocouples, respectively, are used. To measure the flame temperature, movable, water-cooled platinum-rhodium thermocouples were placed at three sections along the length of the flame tube. Compound probes were located at the entrance and exit of the combustion chamber to measure the temperature and velocity of the air and gases. The experiments

Card 1/2

CIA-RDP86-00513R001549210004-5"

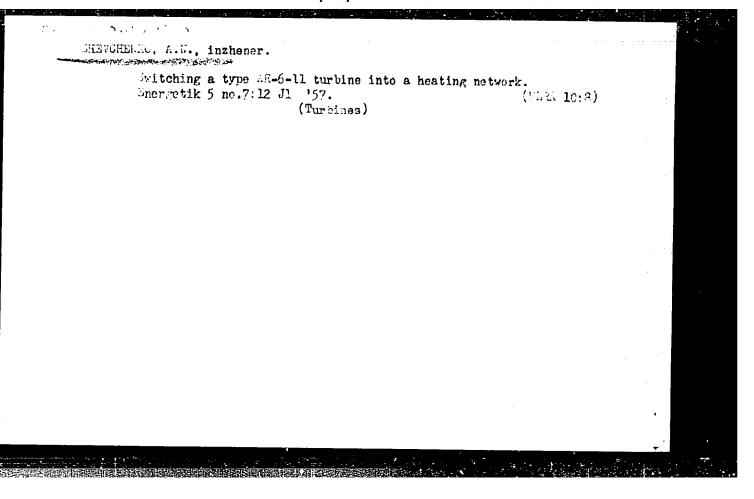
APPROVED FOR RELEASE: 08/23/2000

ACC NR: AR6028073

were performed at 1.08--1.37 bar. It was established that during natural gas combustion the heat flow to the walls of the flame tube can exceed  $100 \cdot 10^3$  wt/m² despite the weak radiance of the flame. The convection component represents about 30-10% of the total heat flow in the type of combustion chamber investigated. The total heat flow and its components are not uniformly distributed along the length of the flame tube. The character of the heat flow distributions is strongly dependent on the initial temperature, structure of the flame, and on the operating parameters of the combustion chamber. The cooling of the flame tube walls is accomplished basically by convection. It is important to develop new rational flame tube designs, which will lower the convective part of the heat flow and increase the radiative heat extraction. Bibliography of 4 titles. A. Salamov [Translation of abstract]

SUB CODE: 20, 21

**Card** 2/2



SEMENCHENKO, D.I., kand. tekhn. nauk; SHEYCHENKO, A.N.; YULIKOV,
M.I., kand. tekhn. nauk, nauchnyy red.; CHICAMEVA, E.I.,
red.; VIKTOROVA, Z.N., tekhn. red.

[Cear-cutting tools and tools for automatic lines; survey
of foreign designs] Zuboreznyi instrument i instrument avtomaticheskikh linii; obzor zarubeshnykh konstruktsii. Moskva, TSINTIMASh, 1961. 57 p. (MIRA 16:5)

(Gear-cutting machines) (Metal-cutting tools)

(Automation)

AD Nr. 996-8 24 June

RADIOPROTECTION OF HEMATOPOIETIC ORGANS IN MICE (USSR)

Lebkova, N. P., and A. N. Shevchenko. Radiobiologiya, v. 3, no. 2, 1963, 265-269.

S/205/63/003/002/018/024

A study was made to determine the effect of radioprotective substances on the hematopoietic organs of irradiated animals and the possibility of using small doses of mercamine to protect animals subjected to sublethal doses. Male white mice weighing 19 to 21 g were given intraperitoneal injections of radioprotectors (2 ml) 10 min before exposure, the controls were injected with physiological saline solution, and both groups were subjected to irradiation from an PYM-3 apparatus (130 kv, 15 ma; distance, 35 cm; dosage, 39 r/min). Series I animals were irradiated with 700 r, and Series II, with 200 r. The animals of Series I were sacrificed four hours after exposure; the number of pycnoses and caryorrhexes per 3000 to 5000 morphologically unchanged cells were determined, and mean data per 1000 cells (or percent of degenerated cells) were calculated. In Series II the effect of mercamine hydrochloride on bone marrow was studied 1, 2, 4, 6, 9, and 28 hrs after exposure. In addition to degenerated cells the percent of chromosome aberrations was determined. Data on the effect of 5-methoxytryptamine, tryptamine,

AID Nr. 996-8 24 June

RADIOPROTECTION OF HEMATOPOIETIC ORGANS [Cont'd]

s/205/63/003/002/018/024

mercamine, 6-methoxytryptamine, benzylamine, \$\sigma - 3 - \text{indolybutylamine}\$ and \$\gamma - 3 - \text{indolypropylamine}\$ on the animals in Series I (dose, 700 r) show that 5-methoxytryptamine was the most effective protector (survival rate 69.3% against 11.5% to 12.7% in controls); less effective were tryptamine and mercamine, and still less effective 6-methoxytryptamine; \$\sigma - \text{indolylbutylamine}\$ and \$\gamma - 3 - \text{indolylpropylamine}\$ had no radioprotective effect. A combined use of mercamine with 5-methoxytryptamine produced a higher survival rate and more effective protection of the hematogenic organs than the combined use of mercamine with tryptamine. An injection of \$\gamma - \text{methyltryptamine}\$ or 2 hrs before injection of 5-methoxytryptamine inhibits the radioprotective effect of the latter on the bone marrow and survival rate of the animals. In Series II the use of mercamine hydrochloride (150 mg/kg or 75 mg/kg) showed definitely that even at low radiation doses (200 r) the optimum protective dose (150 mg/kg) of mercamine must be used since a reduced dose of the protector lowers its radioprotective properties. The

Card 2/3

AID Nr. 996-8 24 June

RADIOPROTECTION OF HEMATOPOIFTIC 8/205/63/003/002/018/024

data obtained indicate that the effect of radioprotectors on hematopoietic tissue is associated with their effect on the survival rate of the irradiated animals. The morphologic changes in the cells of the hematopoietic organs can be used as a reliable index for evaluation of the protective action of chemical preparations, particularly when the animals are exposed to low irradiation doses.

[SGM]

Card 3/3

ZHEREBCHENKO, P.G.; AYRAPETYAN, G.M.; KRASNYKH, I.G.; SHEVCHENKO, A.N.

Effect of radioprotective preparations on neutral red distribution and hemoglobin content in the organs of mice and rats. Radiobiologiia 4 no.1:136-143 '64. (MIRA 17:4)

ACCESSION NR: AP4027966

S/0205/64/004/002/0197/0202

AUTHOR: Grayevskiy, E. Ya.; Zherebchenko, P. G.; Konstantinova, M. M.; Sokolova, O. M.; Shevchenko, A. N.

TITLE: Rolation of radioprotective activity of indolylalkylamines to tissue hypoxia and the role of vascular changes in its development

SOURCE: Radiobiologiya, v. 4, no. 2, 1964, 197-202

TOPIC TAGS: radioprotective action mechanism, indolylalkylamine radioprotective action, tissue hypoxia, vessel spasm, tryptomine derivative, radioprotective preparation, 4-,5-chlortryptamine, 4-,5-metoxytryptamine, serotonine, alpha-methyltryptamine, LSD, cystamine, oxygen intensity, cystamine radioprotective action

ABSTRACT: Literature studies have established that indolylalkylamine radioprotective action is related to tissue hypoxia. This work investigates the mechanism of this action by determining 1) whether the position of a substitute in a tryptamine molecule affects its capacity to produce tissue hypoxia, 2) how the introduction of alpha-methyltryptamine and LSD affects the hypoxic and vasoconstrictive

Card1/3

ACCESSION NR: AP4027966

', the combined use of action of the preparations, and 3) how 5-metoxytryptamine and cystamine affectsoxygen level and vessel reaction in tissues. The following preparations were administered intraperitoneally to experimental white mice: 4-chlortryptamine (60 mg/kg), 5-chlortryptamine (60 mg/kg), 4-metoxytryptamine (60 mg/kg),5-metoxytryptamine (60 mg/kg), and serotonine (50 mg/kg) 1 hr after administering alpha-methyltryptamine, cystamine (150 mg/kg) combined with metoxytryptamine (50 mg/kg), and LSD (10 mg/kg) combined with serotonine. Oxygen intensity in the liver and spleen of the animals was measured by a polarographic method. Vessel tone was determined by the accumulation of neutral red in the organs 30 min after being introduced (65 mg/kg in a 0.5 ml physiological solution). Findings show that tryptamine derivatives with substitutes in the fifth position (5-metoxy-, 5-chlortryptamine) are highly effective radioprotectors because of their capacity to produce hypoxia in radiosensitive organs by vessel spasms. Tryptamine derivatives with substitutes in the fourth position (4-chlor-, 4-metoxytryptamine) do not produce hypoxia or vessel spasms and are ineffective radioprotectors. Alpha-methyltryptamine and LSD remove the radioprotective effect of indolylalkylamines by preventing the development of vessel spasm and subsequent tissue hypoxia. Cystamine enhances the Card 2/3

ACCESSION NR: AP4027966

radioprotective action of tryptamine derivatives, but does not affect their capacity to constrict vessels and to develop hypoxia. The radioprotective action mechanisms of cystamine and the investigated indolylalkylamines differ. Orig. art. has: 4 figures, 2 tables.

ASSOCIATION: None

SUBMITTED: 06Apr63

DATE ACQ: 28Apr64

ENCL: 00

SUB CODE: AM

NO REF SOV: 013

OTHER: 008

Card 3/3

LEBKOVA, N.P.; SHEVCHENKO, A.N.

Protection of the hematopoietic organs in irradiated mice with the aid of some preparations. Radiobiologiia 3 no.2: 265-269 163 (MIRA 17:1)

1.141616165 EWG(1)/EWT(m) GS

ACCESSION NR: AT5008045

S/0000/64/000/000/0193/0211 20

AUTHOR: Zherebchenko, P. G.; Ayrapetyan, G. M.; Krasnykh, I. G.; Suvorov, N. N.; Shevchenko, A. N.

TITLE: The mechanism of the radiation-protective action of indolylalkylamines and certain other compounds

SOURCE: Patogenez, eksperimental'naya profilaktika i terapiya luchevykh porazheniy (Pathogenesis, experimental prevention, and therapy of radiation injuries); sbornik statey. Moscow, Izd-vo Meditsina, 1954, 193-211

TOPIC TAGS: radiation protection, radiation sickness, indolylalkylamine

ABSTRACT: An investigation was made involving the use of new compounds to determine the significance of the position and nature of substitutions in the manifestation of the radiation-protective properties of amines of the indole series. The previously discovered relation of the anti-radiation action of indolylalkylamines to their chemical structure was confirmed. The introduction of substitutions in the fifth position of the indole ring of the tryptamine molecule is accompanied by reinforcement and in the other positions by weakening of the radiation-protective

Card 1/2

L 41616-65

ACCESSION NR: AT5008045

activity. The ability of indole compounds to compete for free radicals is practically unrelated to the presence of substitutions, but is based on the specific properties of the indole ring. The vessel-constricting action of amines of the indole series depends on the chemical structure, indicating a causal link between it and the radiation protection effect. Indolylalkylamines which are effective for radiation protection cause a reduction in the accumulation of a neutral red in the blood-forming organs, skin, and testes of rats and mice. Adrenalin has about the same action. Of the aminothioles, cystamine causes the clearest changes in blood formation. The combined use of cystamine with 5-methoxytryptamine or unithiole increases the survival rate of irradiated mice. This is not observed if 5-methoxytryptamine is given to the animals together with unithiole. Orig. art. has: 1 figure, 13 tables.

ASSOCIATION: none

SUBMITTED: 19Aug64

ENCL: 00

SUB CODE: LS, OC

NO REF SOV: 017

OTHER: 030

Card 2/2

GRAYEVSKIY, E.Ya.; ZHEREBCHENKO, P.G.; KONSTANTINOVA, M.M.; SOKOLOVA, O.M.; SHEVCHENKO, A.N.

Relation between the radioprotective activity of indolclalkylamines and tissue hypoxia and the role of vascular changes in its origin.

Radiobiologiia 4 no.2:197-202 '64. (MIRA 18:3)

L 65230-65 EWT(1)/EWT(m)/EWP(j)/T IJP(c) RM

ACCESSION NR: AP5020797

UR/0048/65/029/008/1349/1352

55

AUTHOR: Shevchenko, A. N.; Umreyko, D. S.

TITLE: Concerning interpretation of the absorption spectra of some organic uranyl complexes Report, 13th Conference on Luminescence held in Khar'kov 25 June to 1 July 1964

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 8, 1965, 1349-1352

TOPIC TAGS: light absorption, absorption spectrum, luminescence spectrum, solution property, complex molecule, uranyl nitrate

ABSTRACT: The authors have investigated the absorption and luminescence spectra of a number of uranyl complemes, and in the present paper they report results obtained for dinitrouranyl and trinitrouranyl ions. The complex trinitrouranyl compounds were prepared in anhydrous acetone or cyclohexanone solutions of uranyl nitrate hexahydrate, using tetraethylammonium nitrate or tetrabutylammonium nitrate as voj donors. The absorption spectra at room temperature of acetone solutions of tranyl tetraethylammonium nitrate and uranyl nitrate are compared. In the long disclerate region the absorption bands of the complex ion appeared in the same positions as those of the nitrate, but they were much more prominent. The complex cord 1/2

L 65230-65

ACCESSION NR: AP5020797

ion showed absorption bands in the ultraviolet, where the absorption spectrum of the nitrate is continuous. The frequency separations of the absorption bands are analyzed and it is concluded that three partly overlapping electron transitions are involved. The absorption and luminescence spectra of uranyl dinitrate and uranyl trinitrate were recorded at several temperatures between 20 and - 183°C and are presented graphically. The trinitrate spectra are much more strongly temperature dependent than the dinitrate spectra. Two series of emission bands with different temperature behavior were observed in the trinitrate spectra, and it is concluded that two different complexes are present. This conclusion is supported by the different temperature dependences of the luminescence quantum efficiency and the fluorescence lifetime. Orig. art. has: 3 figures and 1 table.

ASSCCIATION: Belorusskiy gosudarstvennyy universitet im. V.I.Lenina (Belorussian State University)

SUBMITTED: 00

ENCL: CO

SUB CODE: GC, OP

NO REF SOV: 002

OTHER | OO1

Card 2/2

SHEVCHENKO, A. N. Cand Tech Sci -- "Study of the problems of precision of spline hold general bottom of Mos, 1961 (Min of Higher and Secondary Specialized Education RSFSR. Mos Machine Tool and Instrument Inst im I. V. Stalin).

(KL, 4-61, 202)

262

SHEVCHENKO, A.P.; FEDOSEYEV, K.G.

Volumetric units in the production of smtibiotics. Med. prom.
14 no.5:28-30 My '60.

1. Leningradskiy khimiko-farmatsevticheskiy institut.

(ANTIBIOTICS)

SHEVCHENKO, A.P.

Economic basis and principles of the reorganization of wages in the chemopharmaceutical industry. Trudy Len. khim. farr. inst. no.14:297-306 '62 (MIRA 17:2)

KOLGANOV, T.S.; SAVITSKAYA, T.L.; SHEVCHENKO, A.P.

Experience in the operation of lime-ammonium shops. Koks. i khim. no.1:33-36 '64. (MIRA 17:2)

1. Dneprodzerzhinskiy koksokhimicheskiy zavod.

# SHEVCHENKO, A.R.

Abstracts. Sov. med. 28 no.9:143-144 S '65. (MIRA 18:9)

l. Kafedra legochnogo tuberkuleza Leiningradskogo instituta usovershenstvovaniya vrachey imeni Kirova i Leningradskiy nauchno-issledovatel'skiy institut tuberkuleza.

PUTILIN, Vladimir Georgieyvich; BOYCHENKO, Pavel Romanovich; OKRAINETS, G.A., kand.tekhn.nauk, dots., otvetstvennyy red.; SHEVCHENKO, A.S., red.; TROFIMENKO, A.S., tekhn.red.

[Organizing and conducting industrial practice training in building schools] Organizatelia i metodika provedeniia proizvodstvennoi praktiki v stroitel'nom tekhnikume. Khar'kov, Izd-vo Khar'kovskogog ordean Trudovogo Krasnogo Znameni gos.univ. im. A.M.Gor'kogo, 1957.
119 p. (MIRA 11:3)

(Building-Study and teaching)

SHEVCHENKO, A.S.

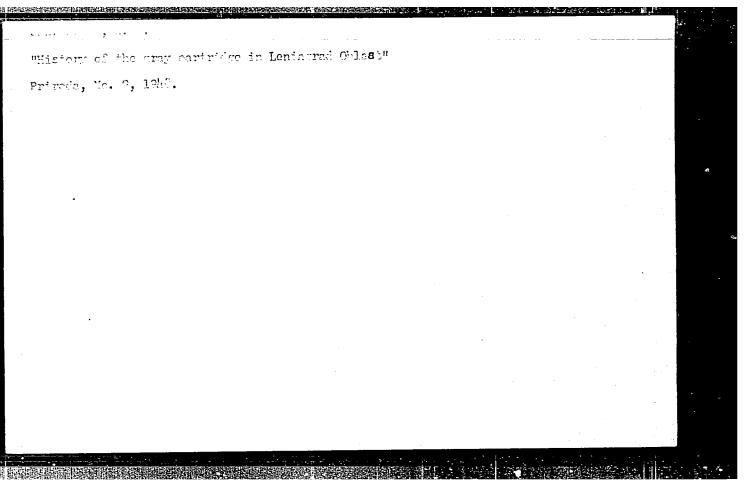
"Design of Multilink Hinged Mechanism" Tr. Mai., No. 30, 1953, 72-83



"The author presents an analysis and synthesis of multilink mechaisms of the second class according to the classification of I-I.Artobolevskiy. As an example he considers the mechanism of longitudinal direction of an airplane, consisting of a fixed strut, four rockers, and three intermediate connecting rods. The device is treated as consisting of quadrilink mechanisms, the link driven by its predecessor being the driver of the following link. (RZhMekh, no. 9, 1955)

FRIDLENDER, Izrail Grigor yevich; PAYNERMAN, I.D., prof., retsenzent; IVANOV, V.V., dotsent, retsenzent; LAMM, M.M., dotsent, kend. tekhn.nauk, otv.red.; SHEVCHENKO, A.S., red.; TROFINENKO, A.S., tekhred.

[Precision in the manufacture of machines] Voprosy tochnosti proizvodstva mashin. Khar'kov, Izd-vo Khar'kovskogo gos.umiv.
im. A.M.Gor'kogo, 1959. 291 p. (MIRA 13:5)
(Machinery industry)



USSR/Cultivated Plants - Mecicinal. Essential Oil-Bearing.
Toxins.

M

Abs Jour

: Ref Zhur Biol., No 12, 1958, 53886

Author

: Balkovaya, Ye, N., Shevchenko, A.S.

Inst

: Dneprpetrovsk University

Title

: East Indies Basil (Ocimun Gratissimum) Under the Condi-

tions of the Sokologorensk Essential Oil Sovkhox

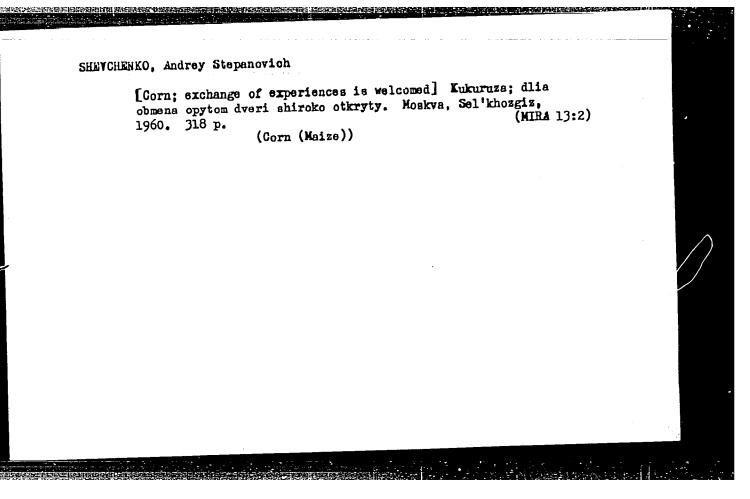
Orig Pub

: Nauchn. zap. Dnepropetr. un-t, 1955, 54, 43-47

Abstract

: No abstract.

Card 1/1



SHEVCHERIKO, Androy Stepenovich, agronom; KAVUN, P.K., red.; FROKOF'IEVA,

L.N., tekbn.red.

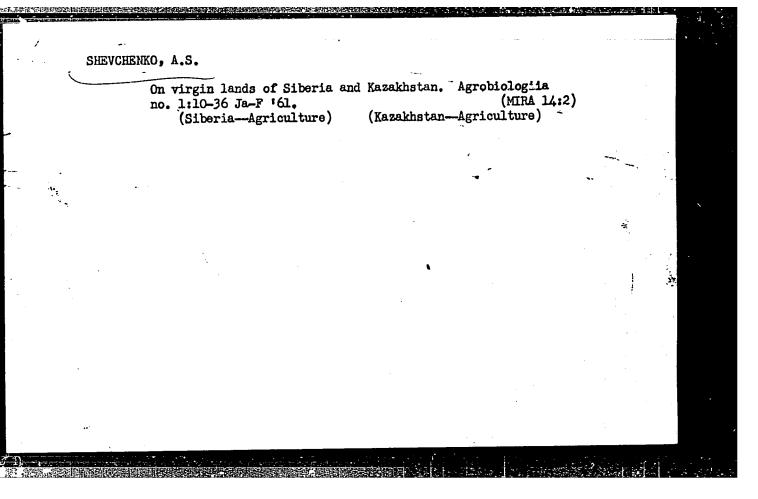
[On virgin lands of Siberia and Kazakhstan] Ma tselinnykh
zemliakh Sibiri i Kazakhstana. Moskva, Gos.izd-vo sel'khoz.lit-ry,
1960. 46 p.

(Siberia--Agriculture)

(Kazakhstan--Agriculture)

SHEVCHENKO, A.S.; KAVUN, P.K., red.; RUBTSOV, M.K., red.; PROKOF'YEVA, L.H., tekhn. red.

[Corn; make way for extensive exchange of experience] Kukuruza; dlia obmena opytom dveri shiroko otkryty. Izd.2., dop. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1961. 413 p. (MIRA 14:10) (Corn (Maize))



# SHEVCHENKO, A.S.

Formation of complex compounds during the forming of viscose fibers in the presence of modifiers. Khim. volok. no.1:58-60 '65. (MIRA 18:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.

15(4)

AUTHORS:

Serkov, A. T., Shevchenko, A. S., Kotomina, I. N., Konkin, A. A.

s/183/59/000/06/002/027 B004/B007

TITLE:

The Application of Surface-active Substances in the Production

of Viscose Fibers

PERIODICAL:

Khimicheskiy volokna, 1959, Nr 6, pp 3-11 (USSR)

ABSTRACT

The present paper is based mainly on Western publications, the data of which have, in some cases, been checked by the authors' can experiments. The quality-improving effect produced by surface-active substances is pointed out (increase in the strength of viscose-cord by 50-70%). The conception of a surface-active substance (modifier) is defined and its mode of operation is explained. There follows a survey of the application of such modifiers in the mercerization, xanthogenation, and spinning of viscose-solutions. Hention is made of the investigation carried out by Ye. M. Lev of the emulsification of carbon disulphide by sebacic acids (Fig 1), where the most stable emulsion is obtained by means of sebacic acids with 5 to 7 C-atoms. Figures ? and 3 show the effect of Berol visco 30 upon the rate of filtration and the clearness of the viscose. Table 1 in this connection gives the results obtained by E. Bloed, H. Rauch

Card 1/3

The Application of Surface-active Substances in the Pro- 3/183/59/000/06/002/027 duction of Viscose Fibers 8004/B007

and K. Goetze (Ref 1). The influence exerted by the modifiers upon the elimination of air from the viscose is discussed. Oxyethylated eliphatic amines give less stable foam than sulphurized sebacic acids and oxyethylized alcohols. Tables 2 and 3 mention Western results (Refs 1, 2) concerning the necessary additions of modifiers and their effect upon keeping the spinnerets clean, Figures 4 to 7 show the effect of the concentration of H2SO4, ZnSO4, Na2SO4, and of modifiers upon the adhesion of the viscose to the spinnerets according to reference 11, which was confirmed by experiments carried out by the authors. Table 4 shows various modifiers of Western origin (amines, quaternary ammonium compounds; polyoxyethyl derivatives), which are used for the purpose of obtaining strong viscose fibers. Table 5, figure 8 show the experimental results obtained by the authors, according to which amines with ? to 9 C-atoms give particularly homogeneous fibers which swell only little in mater. Table 6 shows the effect produced by the oxyethyl-group content of the modifier upon the properties of the fiber (Ref 16).

Card 2/3

The Application of Surface-active Substances in 5/183/59/000/06/002/027 the Production of Viscose Fibers 5/183/59/000/06/002/027

Table 7 and figure 9 show the dependence of the effect produced by cyclopropane on the concentration of the coagulating bath (Ref 16). There are 9 figures, 7 tables, and 18 references, 6 of which are Soviet.

ASSOCIATION: VNIIV - Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna

(All-Union Scientific Research Institute for Synthetic Fibers)

Card 3/3

S/183/60/000/004/009/014/XX B004/B075

AUTHORS:

Shevchenko, A. S., Konkin, A. A., Serkov, A. T.

TITLE:

Effect of Amines on the Spinning Process of Viscose Fiber

PERIODICAL:

Khimicheskiye volokna, 1960, No. 4, pp.27-30

TEXT: In the introduction the authors state that the effect of various modifiers which are added to the viscose to improve the structure of the fiber has so far not been studied. Therefore, they attempted to study the effect of amines on the formation of the viscose fiber. They used 1) monoeffect of amines on the formation of the viscose fiber. They used 1) amines, amines, i.e., a) a mixture of  $C_7 - C_9$  amines, b) a mixture of  $C_{13} - C_{15}$ 

c) cyclohexylamine, and d) monoethanolamine; 2) secondary amines: diethylamine; 3) tertiary amines: triethylamine, and 4) polyamines: a) diethylene triamine, b) triethylene tetraamine. They studied the effect of these amines on the ripening of viscose, the degree γ of esterification of the xanthate, viscosity, and the decomposition rate of xanthate in the precipitating bath. All experiments were made with the same viscose; content of α-cellulcse: 6.3%, alkali 6.3%, degree of ripening 9.5-10.5, admixture of 2% amine referred to α-cellulose. Composition of the precipitating bath 100 g/1 H<sub>2</sub>SO<sub>4</sub>;

Card 1/\$

VATIV.

SHEVCHENKO, A.S.; KONKIN, A.A.; SERKOV, A.T.

Effect of hydroxyethylated amines on the process of spinning viscose fiber. Khim. volok. no. 6:28-30 '60. (MIRA 13:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.

(Rayon spinning) (Amines)

SHEVCHENKO, A. S.

Cand Tec Sci, Diss -- "Investigation of the process of formation of viscose cord fibre in the presence of modifiers". Moscow, 1961. 15 pp, 22 cm (Min of Higher and Inter Spec Educ RSFSR. Moscow Textile Inst), 150 copies, Not for sale (KL, No 9, 1961, p 185, No 24379). [61-54845]

SHEVCHENKO, A.S.; KONKIN, A.A.; SERKOV, A.T.

Possibility of producing complex compounds with modifying agents during the process of viscose fiber formation.

Khim.volok. no.5:27-30 '62. (MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (for Shevchenko). 2. Moskovskiy tekstil'nyy institut (for Konkin). 3. Gosudarstvennyy komitet khimicheskoy promyshlennosti pri Sovete Ministrov SSSR (for Serkov).

(Viscose)
(Complex compounds)

USSR/Biology - Physiclogy

FD-2284

Card 1/1

Pub 33-15/18

Author

Osadchuk, O. I.; Shevchenko, A. V.

Title

Towards the history of I. M. Sechenov's transfer to the Novorossiyskiy

(Odessa) University

Periodical:

Fiziol. zhur. 40, 616-617, Sep-Oct 1954

Abstract

Gives biographical data on the transfer of I. M. Sechenov from the

Petersburg Medical-Surgical Academy to the Novorossiyskiy (Odessa)

University. Three references.

Institution:

Odesskaya Oblast Record Office

Submitted:

July 12, 1954

SHEVCHENKO, A.V.

Peculiarities of phagocytosis in patients with a cuthyroid form of goiter. Vrach.delo no.4:411 Vrach.delo no.4:411 Ap '57.

(MIRA 10:7)

 Kafedra patofiziologii (zav. - prof. V.P.Komissarenko) Kiyevskogo meditsinskogo instituta. (GOITER) (PHAGOCYTOSIS)

SHEVCHIERO, A.V., Cand had Sci — (dice) The effect of disturbances of the function of the thyroid gland at immunological reactivity of the organism." Hiev, 1958. 13 pp (Kicv Order of Labor Red Banner Hed Inst in Acad A.A.Bogomoleta), 250 copies (Kb,43-58, 118)

SHEVCHENKO, A.V., kand.meditsinskikh nauk

Peculiarities of phagocytic reactions in the rotoxicosis patients. Vrach. delo no.8:10-12 Ag 60. (MIRA 13:9)

1. Laboratoriya endokrinnykh funktsiy (rukovoditel' - akademik AN USSR, prof. V.P.Komissarenko) Instituta fiziologii imeni akad. A.A. Bogomol'tsa AN USSR i khirurgicheskaya klinika (zav. - zasl. deyatel' nauki, prof. A.K. Gorchakov) stomatologicheskogo fakul'teta Kiyevskogo meditsinskogo instituta.

(THYROID GLAND--DISEASES) (PHAGOCYTOSIS)

SHEVCHENKO, A.V. [Shevchenko, O.V.]

Method for studying gas metabolism in small laboratory animals. Fiziol. zhur. [Ukr.] 8 no.3:416-418 Hy-Je '62. (MIRA 15:6)

1. Laboratoriya fiziologii endokrinnykh funktsiy Instituta fiziologii im. A.A. Bogomol'tsa AN USSR, Kiyev. (RESPIRATION)

GUZ', V.I., starshiy nauchnyy sotrudnik; KORENEVSKIY, L.I., starshiy nauchnyy sotrudnik; <u>SHEVCHENKO</u>, A.V., starshiy nauchnyy sotrudnik, <u>BLEKHERMAN</u>, N.A., nauchnyy sotrudnik

Use of splenin for treating and preventing a radiation reaction in malignant neoplasms [with summary in English]. Vrach.delo no.9:91-95 S '62. (MIRA 15:8)

1. Otdel rentgenoterapii (rukovoditel' - starshiy nauchnyy sotrudnik V.I.Guz') i laboratoriya endokrinologii (rukovoditel' - starshiy nauchnyy sotrudnik L.I.Korenevskiy) Kiyevskogo rentgenoradiologicheskogo i onkologicheskogo instituta i laboratoriya endokrinnykh funktsiy (rukovoditel - akademik AN USSR, prof. V.P.Komissarenko) Instituta fiziologii imeni A.A.Bogomol'tsa AN USSR.

(SPLENIN) (CANCER) (RADIOTHERAPY)

| ACC NR: AP5028724 SOURCE CODE: UR/0363/65/001/011/1945/1948                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |
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| AUTHOR: Shevchenko A V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |
| AUTHOR: Shevchenko, A. V.; Lopato, L. M.; Tresvyatskiy, S. G.  ORG: Institute of Problems of the St.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |
| ORG: Institute of Problems of the Study of Materials, Academy of Sciences, UKrSSR (Institut problem materialcyedeniya Akademii nauk UKrSSR) 4 (/ 5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |
| water ortook) A (1-2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1  |
| TITLE: Synthesis and some physicochemical properties of single crystals of rare earth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |
| SOURCE: AN SSSR. Izvestive Normania                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |
| SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 11, 1965, 1945-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |
| growth, crystal property, crystal structure, crystallization compound, single crystal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |
| growth, crystal property, crystal structure, crystallization, fluxed melt, rare earth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ٠. |
| Control of the contro |    |
| ABSTRACT: Growing single crystals of rare-earth element chromites from fluxed melts single crystals by this technique. The authors also intended to attitude to obtain the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |
| SINDIA CTUEFOLO A. LL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |
| IXISTERICE OF COMMAN AS ALL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |
| ITIDED. IN which DEC and DEC and The area in the control of the co |    |
| fluxes) for the powdered chromite which was synthesized from pure rare earths and horizontal trace. The R203/Cr203 ratio in the starting sinterests are described from the starting sinterests.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |
| thromium nitrate. The R <sub>2</sub> O <sub>3</sub> /Cr <sub>2</sub> O <sub>3</sub> ratio in the starting mixture, the oxides/solvent and 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |
| UDC: 546.65'763:548.55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |
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#### "APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549210004-5

L 7693-66 ACC NR: AP5028724

ratio, and temperature of dissolution were the main variables of the growth process. Exclusive formation of single crystals of the thirteen rare-earth element chromites of the perovskite-type structure was established only in the PbO + PbF $_2$  fluxed melt under optimized conditions. The perovskite structure was obtained regardless of whether the  $R_2O_3/Cr_2O_3$  ratio corresponded to the stoichiometric composition of perovskite or garnet. At a maximum temperature of dissolution above the optimum (1360C) in the PbO + PbF $_2$  fluxed melt, in PbO +  $B_2O_3$  and in  $B_12O_3$  fluxed melts, formation of chromium oxide single crystals was observed in addition to that of perovskite. The single crystals of the rare-earth element chromites had 2 x 2 x 2 mm maximum dimensions. IR spectra, x-ray and petrographic analysis of the crystals indicated that the rare-earth element chromites begin to dissociate at over 2100C in argon and that thermal dissociation increases with decreasing ionic radius of the rare earth element. Orig. art. has: 2 tables and 2 figures.

SUB CODE: SS/ SUBM DATE: 21Jun65/ ORIG REF: 004/ OTH REF: 006/ ATD PRESS;

Card 2/2

L 29615\_66 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AP6011321 SOURCE CODE: UR/0363/66/002/003/0514/0516

AUTHOR: Matveychuk, V. T.; Shevchenko, A. V.; Skripchenko, N. V.

ORG: Institute of Material Science Problems, Academy of Sciences UkrSSR (Institut problem materialovedeniya Akademii nauk UkrSSR)

TITLE: Infrared absorption spectra of chromites of rare earth elements

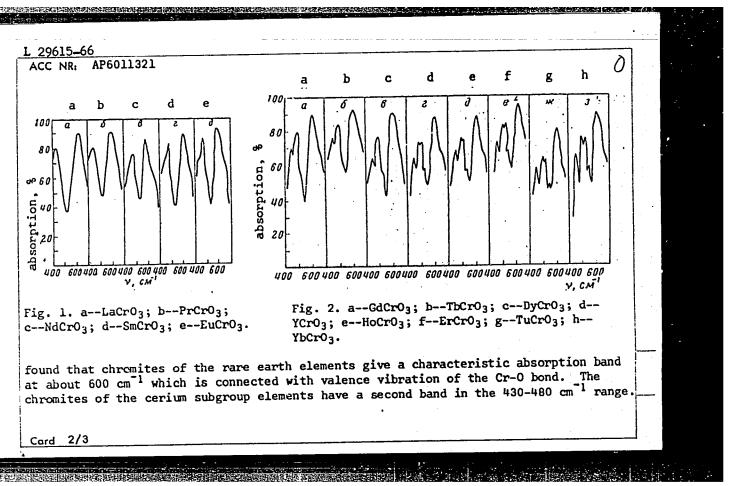
SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 3, 1966, 514-516

TOPIC TAGS: rare earth element, chromite, chromium, crystal lattice, IR absorption, spectrophotometric analysis

ABSTRACT: The IR absorption spectra of 13 chromites of rare earth elements were taken using a UR-10 spectrophotometer. Chromite samples were prepared by two techniques: by growing single crystals from a melt containing PbO+PbF2 mixed solvent, the melt was held at 1360°C for 4 hours whereupon the melt temperature was reduced from 1360°C to 1000°C at a rate of 10-30° per hour. Under the second method, mixtures of the chromium oxide were fused with a rare earth element oxide at 2000°C for 15 minutes in an argon atmosphere. Individual chromite phases were examined by petrographic and x-ray analyses and the chromite compositions were confirmed by chemical analysis. The IR spectra of chromites of the cerium subgroup elements are shown in figure 1. The IR spectra of chromites of the yttrium subgroup elements are shown in figure 2. It was

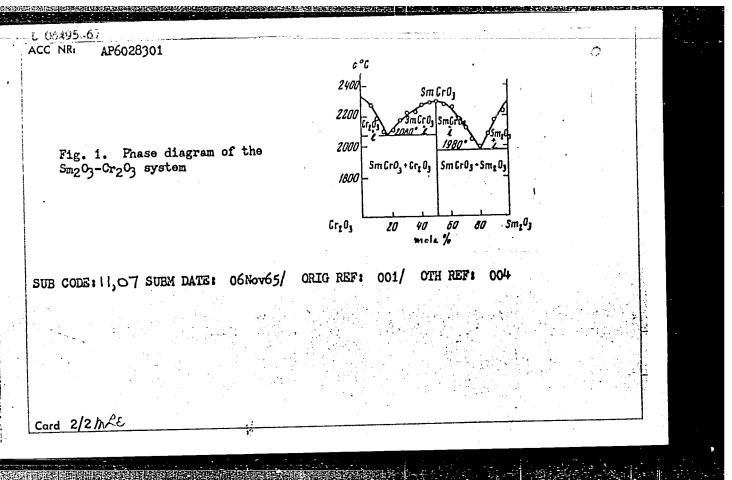
UDC: 546.65'763:543.422.4

Card 1/3



| ne y<br>uple<br>and | ttriu<br>t. A<br>and t | m subgro | oup elem<br>relatio<br>radii | ents<br>onship<br>of th | e crystal la<br>is split in<br>was establi<br>e rare earth | to eith | er a d<br>etween | oublet o | r a tr<br>e numbe | iplet, | or a | quad-<br>econd |     |  |
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|                     |                        |          |                              |                         |                                                            |         |                  |          |                   |        |      |                | 1 1 |  |

EWT(m)/EWP(t)/ETI \_IJP(c)\_\_ JD/JG -06495-67 SOURCE CODE: UR/0363/66/002/006/1055/1057 ACC NR AP6028301 AUTHOR: Pavlikov, V. N.; Lopato, L. M.; Yaremenko, Z. A.; Shevchenko, A. V. ORG: Institute of Materials Science Problems, Academy of Sciences, UkrSSR (Institut problem materialovedeniya Akademii nauk UkrSSR) TITLE: Phase diagram of the Sm2O3-Cr2O3 system Neorganicheskiye materialy, v. 2, no. 6, 1966, 1055-1057 TOPIC TAGS: samarium compound, chromium compound, phase diagram ABSTRACT: The Sm203-Cr203 phase diagram was studied in the range from 1600°C to the liquidus temperatures. Petrographic, x-ray diffraction and chemical data on samples subjected to thermal treatment in argon at 1600-2400°C were used to plot the phase diagram (see Fig. 1). Only one compound, SmCrO3, is formed in the system. It melts congruently at 2300±30 °C. It forms eutectics with Sm2O3 of the composition 80 mole \$ Sm2O3 and 20 mole \$ Cr2O3 (melting point of 1980±30 °C), and with Cr2O3 of the composition 16 mole \$ Sm2O3 and 84 mole \$ Cr2O3 (melting point 2080±30 °C). No solid solutions could be detected in the system. Orig. art. has: 2 figures and 1 table. UDC: 546.659.3-31+546.763-3



ACC NR: AP6023917

SOURCE CODE: UR/0363/66/002/007/1240/1243

AUTHOR: Shevchenko, A. V.; Lopato, L. M.; Trosvyatskiy, S. G.

ORG: Institute of Materials Science Problems, AN UkrSSR (Institut problem materialovedeniya AN UkrSSR)

TITLE: Phase diagram of the Gd203-Cr203 system

SOURCE: AN SSSR. Izv. Neorg materialy, v. 2, no. 7, 1966, 1240-1243

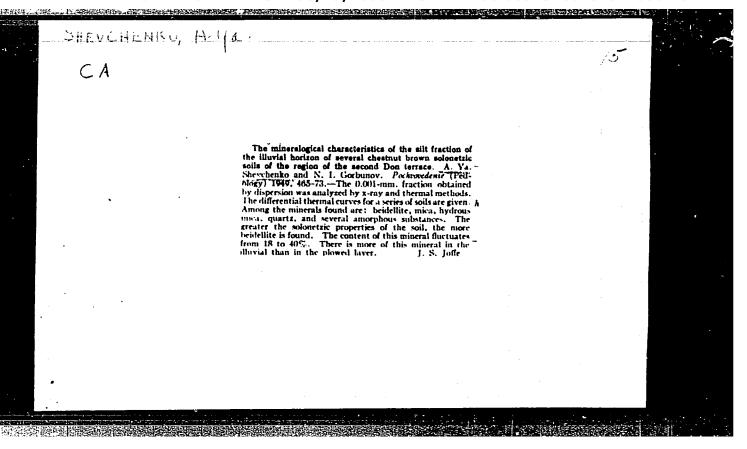
TOPIC TAGS: gadolinium compound, phase diagram, chromium compound, chromium oxide

ABSTRACT: X-ray, microstructural, and chemical analyses as well as infrared spectroscopy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-copy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-copy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-copy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-copy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-copy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-copy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-copy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-copy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-copy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-copy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-copy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-copy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-copy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-copy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-copy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-copy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-copy were used to study the phase relationships in the Gd203-Cr203 syst

ABSTRACT: X-ray, microstructural, and chemical analyses as well as initared spectroscopy were used to study the phase relationships in the Gd203-Cr203 system in the 1600-2400°C range. The phase diagram obtained is shown in Fig. 1. It is shown that the system contains only one congruently melting chemical compound, GdCr03, which has a melting point of 2350±30°C. The compound forms eutectics; the eutectic with Gd203 is composed of 77 mole \$ Gd203 and 23 mole \$ Cr203 and melts at 2060±20°C; the eutectic with Cr203 is composed of 15 mole \$ Gd203 and 85 mole \$ Cr203 and melts at 2120±30°C. Some physicochemical properties of gadolinium chromite (density, coefficient of linear thermal expansion, crystal optical properties) were determined. Orig. art. has: 3 figures.

Card 1/2

UDC: 546.662+546.763



22462. SHEWCIENO, A. Ya. O Rezhime Elektrorotrebleniya Zhelezorudnykh Shakht. Prom. Energetika, 1949, No. 7 S. 8-9.
SO: Letopis' No. 30, 1949

mm// mono, a. ia. i Budhavi, d. I.

26240 Mineralogich-esknya kharakteristika idistey fraktsii illyuvial nege gerizenta neketorykh kastanevykh pechv. rayona vtorey terrasy dena. pechvovyedenia, 1949, Na. 8, s. 465-73 Bibliegr: 14 NAZV.

SO: LETOPIS' NO. 35, 1949

- 1. SHEVCHENKO, A. Ya., Eng.
- 2. USSR (600)
- 4. V. D. Chekanov
- 7. Mining electrical engineering V. D. Chekanov; reviewed by Eng. A. Ya. Shevchenko. Gor. zhur. no. 10, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

SHEVCHENKO, Anton Yefimovich [Shevchenko, A.IU.], doktor ekonom.nauk; KOROID, O.S., kend.ekonom.nauk, glavnyy red.

[Why the economic development of the U.S.S.R. is faster than the economic growth of capitalist countries] Pro perevahy v tempakh rozvytku radians'koi ekonomiky nad ekonomikoiu kapitalistychnykh krain. Kyiv. 1959. 90 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Seriia 2, no.9/10).

(Russia--Economic conditions)

SHEVCHENKO, Anton Yefimovich [Shevohenko, AlIU.], doktor ekonom.nauk;, KOROID, O.S., kand.ekonom.nauk, otv.red.; TUBOLEVA, M.V. [Tubolieva, M.V.] red.

[Steady growth in labor productivity is the most important condition for the victory of communism] Neukhyl'ne grostannia produktyvnosti pratsi - naivazhlyvisha umova peremohi komunizmu. Kyiv, 1960. 55 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.2. no.4/5).

(Efficiency, Industrial) (MIRA 13:8)

PARIKOZHKA, I.A.; PUGACH, A.B.. Prinimali uchastiye: PASHCHENKO, Z.S.; FURMAN, I.I.; THUSKALOV, N.P.; SHEVCHENKO, A.Ye.; SAKHAROVA, T.M.; TROKHINA, Zh.G.; LEVINOV, K.G.; YAKOVICH, A.Ye.. SALITAN, L.S., red.; SHEFER, G.I., tekhn.red.

[Manual on electric measurements of long-distance communication lines] Rukovodstvo po elektricheskim izmeremiiam mezhdugorodnykh linii sviasi. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1960. 194 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye mezhdugorodnoy telefonno-telegrafnoy svyazi. 2. Kiyevskoye otdeleniye TSentral'-nogo nauchno-issledovatel'skogo instituta svyazi (for Parikozhka, Pugach Pashchenko, Furman, Truskalov, Shevchenko, Sakharova, Trokhina). 3. TSentral'nyy nauchno-issledovatel'skiy institut svyazi (for Levinov, Shvartsman). 4. UMMKS (for Yakovich).

(Telecommunication) (Electric measurements)

SAKHAROVA, T.M., inzh., SHEYCHENKO, A.Ye., inzh.

Planned electric measurements long-distance in communication cables. Vest. sviazi 20 no.4:28-29 Ap '60.

(MIRA 13:7)

1. Kiyevskoye otdeleniyeTSentral'nogo nauchno-issledovatel'skogo instituta svyazi. (Electric lines) (Electric measurements)

SHEVCHENKO, Anton Yefimovich; PALAMARCHUK, M.M., doktor ekon. nauk, prof., otv. red.; KOROBKO, V.I., red.; MATVIICHUK, O.A., tekhn. red.

[Industrial development and its role in creating the productive forces of communism]Rozvytok promyslovosti ta ii rol' u stvorenni produktyvnykh syl komunizmu. Kyiv, 1962. 37 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Seriia 3, no.5) (MIRA 15:12)

(Russia-Industries)

SHEVCHENKO, A.Ye., inzh.

Exchange of experience in cargo loading and unloading in Latvian steamship line harbors. Biul. tekh.—ekon. inform. Tekh. apr. Min. mor. flota 7 no.4:56-71 <sup>1</sup>62. (MIRA 16:4)

1. Latviyskoye parokhodstvo.
(Latvia—Cargo handling—Equipment and supplies)

KHUDOYAN, T.S.; SHAROV, A.; CHIRKOV, I. (Stalinsk, Kemerovskaya oblast¹);

KHAUSTOV, S. (g.Novoshakhtinsk); ARKHIPOV, V., avtomatchik;

SHEVCHENKO, B.; GETMANSKAYA, Ye.; SUMTSOV, I.; KURDYUKOVA, L.,

doyarka¢; BABIY, V. (Chernovitskaya oblasti¹); MAKAROV, N.;

SOKOLOV, K.; SINITSKIY, N.

Letters to the editor. Sov. profsoiuzy 17 no. 5:35-39 Mr '61. (MIRA 14:2)

1. Zaveduyushchiy otdelom truda i zarplaty respublikanskogo sovprofa Armenii (for Khudoyan). 2. Staleprokatnyy zavod, Leningrad(for Arkhipov). 3. Predsedatel' pravleniya kluba sovkhoza "Krasnyy Oktyabr'," Voronezhskoy oblasti (for Shevchenko). 4. Chleny pravleniya kluba sovkhoza "Krasnyy Oktyabr'," Voronezhskoy oblasti (for Getmanskaya, Sumtsov). 5. Sovkhoz "Krasnyy Oktyabr'," Voronezhskoy oblasti (for Kurdyukova). 6. Predsedatel' tsekhkoma kotel'no-svarochnogo tseka Vol'skogo zavoda "Metallist" (for Makarov). 7. Predsedatel' postroykoma Stroitel'nogo uchastka No. 2, g.Gagra, Gruzinskaya SSR (for Sinitskiy).

(Trade unions) (State farms)

KOBA, I.I., SHEVCHENKO, B.D., YARTSEV, P.A.

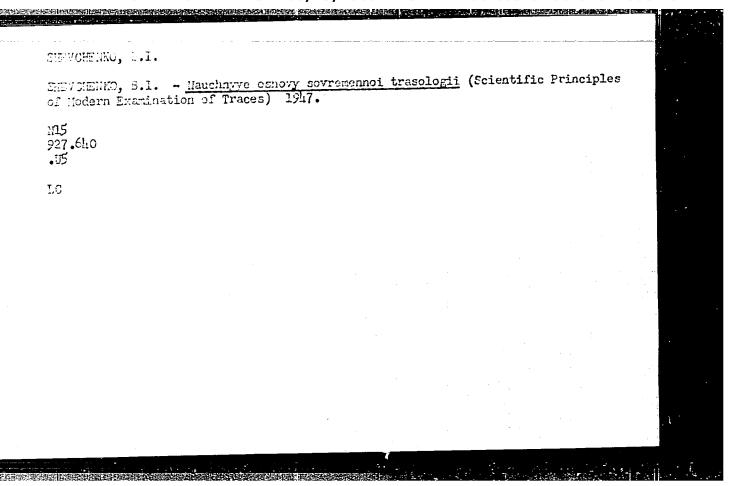
"High frequency system experiment placing "VP" in energy of 100 MEV."

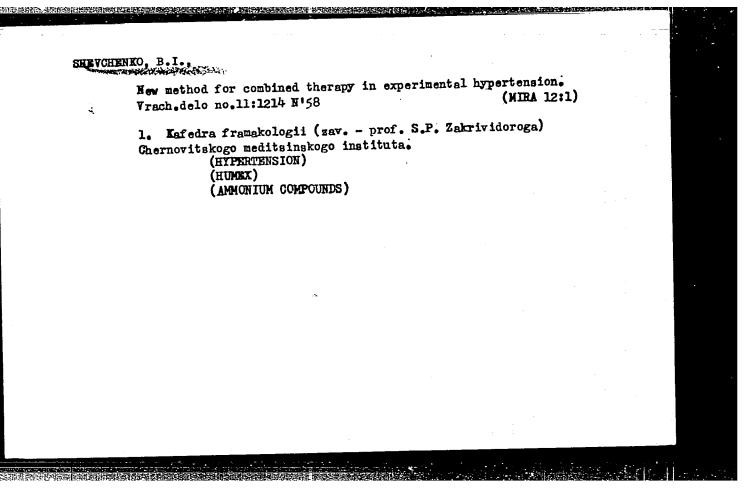
Report submitted to the Intl. Conf. on High Energy Physics and Nuclear Structure, Geneva, Switzerland 25 Feb - 2 Mar 1963

CHUVILO, I.V.; SHEVCHENKO, B.G.

Angular and energy distributions of protons produced in the photodisintegration of Be? and Cl2 [with summary in English]. Zhur, eksp. i teor. flz. 32 no.6:1335-1339 Je '57. (MIRA 10:8)

1. Fizioheskiy institut im. P.N. Lebedeva Akademii nauk SSSR. (Protons) (Nuclear reactions)





#### SHEVCHENKO, B.I.

Combined treatment of hypertension with extract of the root of Rumex confertus and hexonate. Vrach.delo no.7:112-113 J1 '60.

(MIRA 13:7)

1. Kafedra fakul tetskoy terapii (zaveduyushchiy - prof. N.B. Shchupak) i kafedra farmakologii (zaveduyushchiy - prof. S.P. Zakrivodoroga) Chernovitskogo meditsinskogo instituta.

(HYPERTENSION) (RUMBX) (HEXONATE)

#### SHEVCHENKO, B.I.

Functional state of the adrenal cortex in hypertension. Teraparkh. 35 no.9851-56 S'63 (MIRA 1784)

1. Iz kafedry fakul tetskoy terapii (zav. - prof. N.B. Shchupak) Chernovitskogo meditsinskogo instituta.

KARAVAYEV, N.M.; RUHYANTSEVA, Z.A.; SHEVCHENKO, B.I.; MAMAYEVA, A.M.

Chemical and petrographic composition and properties of the Fan-IAgnob coals and their relation with the initial conditions of accumulation and transformation of vegetable material.

Report No. 1: Changes in the chemical and petrographic composition and properties of the Fan-IAgnob coals in connection with the strike of strata from the west to the east. Trudy Inst. khim.

AN Tadzh. SSR 3:5-22 '60. (MIRA 14:12)

(Tajikistan-Coal geology)

KARAVAYEV, N. M. (Moskva); VENER, R. A. (Moskva); HUMYANTSEVA, Z. A. (Moskva); SHEVCHENKO, B. I. (Moskva); MAMAYEVA, A. M. (Moskva)

Effect of slow heating by ancient intrastratal fires on the composition and properties of Fan Yagnob coal. Izv. AN SSSR. Otd. tekh. nauk. Met. i topl. no.6:106-201 N-D '62. (MIRA 16:1)

(Tajikistan-Coal geology) (Coal-Testing)

TSIRLIN, B.M.; SHEVCHENKO, B.L. Increasing the temperature of hot ingot deliveries to the

soaking pit is an important potential for an increased blooming mill productivity. Metallurg no.3:37-39 Mr '56.

(MLRA 9:9)

1. Zamestitel' nachal'nika tsekha slabing (for TSirlin)

2. Starshiy master slabinga (for Shevchenko) 3. Zavod

"Zaporozhstal"."

(Rolling (Metalwork))

MAKARENKO, M.V.; VIKTORIN, V.D.; VOSTRIKOV, Ye.S.; PCHELINTSEV, P.Ye. SHEVCHENKO, B.M.

Preliminary results of the development of the Yablonovskoye f ld. Geol. nefti i gaza 6 no.2:35-38 F '62.

(MIRA 15:2)

1. Neftepromyslovoye uprableniye Kinel'neft'.

(Kinel District-Oil fields-Production methods)

L: 20419-66 EVT(1)/T ACC NR: AP6009841 SOURCE CODE: UR/0413/66/000/004/0034/0034 INVENTOR: Korotkov, V. P.; Shmakov, V. A.; Shevchenko, B. N. ORG: none TITLE: Device for conversion, normalization, and integration of antenna radiation patterns. Class 21, No. 178869 25B, 4 SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966, 34 TOPIC TAGS: mechanical motion instrument, antenna radiation pattern, antenna engineering ABSTRACT: A mechanical device is introduced for conversion, normalization, and integration of antenna radiation patterns (see Fig. 1). To increase the operating Fig. 1. Device for conversion, integration, and normalization of radiation patterns 1 - Steel template; 2 - rod; 3 - multiplication mechanism; 4 - friction planimeter; 5 - cam 1/2 Card UDC: 621.317.619

|   | L20419-66<br>  ACC_NR: AP6009841                                                                                                                                                                                                                                                                                                        |   |     |
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|   | efficiency, the device includes a flexible steel template which tracks the amplitude characteristic, a rotatable rod for multiplication of signal strength by a constant quantity, a mechanism for multiplication of signal strength by the sine of the polar angle, a friction planimeter, and a cam whose profile follows the modulus |   |     |
|   | SUB CODE: 09/ SUBM DATE: 23Jan65/ ATD PRESS:4222                                                                                                                                                                                                                                                                                        |   |     |
|   | 252 COLLY DATE. 250 and 57 ATD PRESS: 47272                                                                                                                                                                                                                                                                                             |   |     |
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| Ĺ | Card 2/2 ULC                                                                                                                                                                                                                                                                                                                            |   | •   |

ACC NR: AP6033519 SOURCE CODE: UR/0413/66/000/018/0154/0155

INVENTOR: Khabarov, A. V.; Kozlov, V. S.; Morozov, B. A.; Myrsov, V. K.; Shevchenko, B. P.; Tomilin, A. A.; Votyakov, I. A.; Surkov, A. I.

ORG: None

TITLE: A hydraulic press with weight distribution on the base components. Class 58, No. 186283 [announced by the Kolomna Heavy Machine Tool Building Plant (Kolomenskiy zavod tyazhelogo stankostroyeniya)]

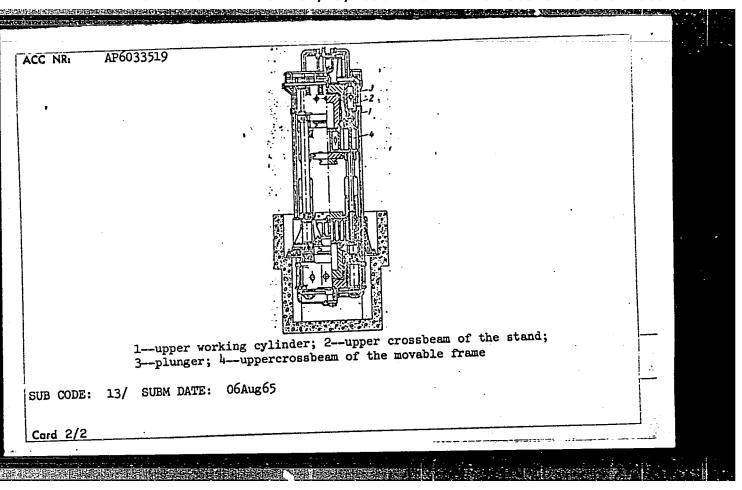
SOURCE: Izobret prom obraz tov zn, no. 18, 1966, 154-155

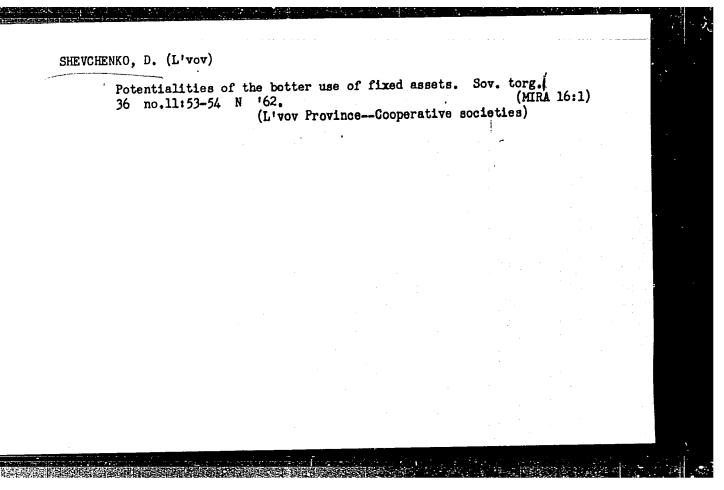
TOPIC TAGS: hydraulic equipment, metal forming press

ABSTRACT: This Author's Certificate introduces a hydraulic press with weight distribution for the base components. The installation contains a stand in the form of columns connected by crossbeams, a movable frame of similar construction located inside the stand, a lower working cylinder mounted in the lower crossbeam of the movable frame, and an upper working cylinder. Misalignment of the press under the effect of eccentric loads is prevented by mounting the upper working cylinder in the upper crossbeam of the stand with rigid connection of the plunger for this cylinder to the upper crossbeam of the movable frame.

Card 1/2

UDC: 621.226





NIKITINA, Ye.V.; PROTOPOPOV, G.F.; ROZHEVITS, R.Yu. [deceased]; POPOVA, K.I., KASHCHENKO, L.I.; SMIRNOV, L.A.; TKACHENKO, V.I.; YAKUBOVA, P.A.; GOLOVKOVA, A.G.; AYDAROVA, P.A.; SHPOTA, Ye.I.; SHEVCHENKO, D.A.; SHISHKIN, Boris Konstantinovich, professor, doktor blologicheskikh nauk, nauchnyy redaktor; VVEDENSKIY, A.I., nauchnyy redaktor; YEVRUSHENKO, G.A., professor, otvetstvennyy redaktor; KOVALEV, V.N., otvetstvennyy redaktor; SEREBRYAKOV, V.I., tekhnicheskiy redaktor

[The flora of Kirghizistan; classification of the plants of Kirghizistan] Flora Kirgizskoi SSR; opredelitel' rastenii Kirgizskoi SSR. Sost. E.V.Nikitina i dr. Frunze, Izd-vo Akademii nauk Kirgizskoi SSR. Vol.1. [Pteridophyta, Gymnospers and Monocotyledons of the Angiosperms] Paporotnikoobraznye, golosemennye i odnodol'nye iz pokrytosemennykh. 1952. 103 p. Vol. 2. [Grasses and sedges] Zlaki i osokovye. 1950. 315 p. Vol.3. [Aroidae - Orchidaceae] Aroidnye - Orkhidnye. 1951. 148 p. Vol.4. [Salicaceae - Polygonaceae] Ivovye - Grechishnye. 1953. 153 p. Vol. 5. [Families: Chenopodiaceae, Amaranthaceae, Portulacaceae, Caryophyllaceae] Semeistva: Marevye, Amarantovye, Portulakovye, Gvozdichnye. 1955. 185 p. Vol. 6. [Families: Ceratophyllaceae, Ranunculaceae, Berberidaceae, Papaveraceae, Capparidaceae, Cruciferae] Semeistva: Rogolistnikovye, Liutikovye, Barbarisovye, Makovye, Kapersovye, Krestotsvetnye. 1955. 297 p. (MIRA 9:10)

1. Chlen-korrespondent Akademii nauk SSSR (for Shishkin) (Kirghizistan--Botany)

S/123/60/000/008/014/017 A004/A001

12 TO SEE STANDARD S

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1960, No. 8, p. 153, # 38440

AUTHOR:

Shevchenko, D.D.

TITLE:

Investigating the Impression of Conical and Wedge-Shaped Punches

PERIODICAL:

Tr. Nikolayevskogo korablestroit. in-ta, 1958, No. 9, pp. 227-244

TEXT: In order to study the plastic deformation of the unevenness of machined surfaces, the impressions of conical and wedge-shaped hard punches into soft material were investigated. There are 7 figures and 8 tables.

Translator's note: This is the full translation of the original Russian abstract.

S.E.D.

Card 1/1

SHEWOHENKO, D.D., Cand Tech Sci - - (diss) "Investigation of the contact of a rough surface in the process of impression in a plastic medium," Nikolayev-Kiev, 1960, 10 pp (Institute of Mechanics, AS UKSSR) (KL, 24-60, 123)

PROTAS, Fedor Makarovich; SHEVCHENKO, D.D., otv. red.; AGUF, M.A., red.; MATVIICHUK, O.A., tekhn. red.

[Organization and payment of wages on collective farms] Organizatsia i oplata gratsi v kolhospakh. Kyiv, 1961. 42 p. (To varystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi (MIRA 14:9) (Ukraine—Collective farms—Income distribution)

use is one end in a substitution of the

FOFOV, Vladimir Fedorovich; SHEVCTENKO, D.D., inzh., retsenzent; TISPKOVETS. I.V., inzh., retsenzent; BIKITINA, R.D., red.: MARKOV, A.F., nauchn.red.

小学的对应,我们就是自己的证明,我们可以是一个人,但是一个人,他们就是一个人,他们就是一个人,他们就是一个人,他们就是一个人,他们就是一个人,他们就是一个人,他

[Mounting of marine power plants] Montazh sudovykh silovykh ustanovok. Leningrad, Sudostroenie, 1964. 246 p. (MIRA 18:1)

SHEVCHENKO, D.I.

Cperation of spiral heat exchangers in the sulfuric acid plants of the Vinnitsa Chemical Combine. Khim.prom. [Ukr.] no.2:76-77 Ap-Je 165. (MIRA 18:6)

SHEVCHENKO, D.M.

Performance of wetted-wall towers in the production of sulfuric acid. Khim.prom. [Ukr.] no.1:68-72 Ja-Mr '64. (MIRA 17:3)

NEYPERT, K.V.; GOLOVACHEVSKIY, Yu.A.; SHEVCHENKO, D.N.; SMYSLOV, N.I.

Use of a partially packed absorber with atomized sprayers in the production of tower acid. Khim. prom. no.5:390-392 My '63. (MIRA 16:8)

s/831/62/000/010/012/013 E192/E382

6.9400 6.9417

Likhter, Ya.I., Nalivayko, A.G., Rozin, V.L.,

Terina, G.I. and Shevchenko, D.S. AUTHORS:

Measurement of atmospheric radio noise in the USSR

TITLE: during the IGY

Ionosfernyye issledovaniya. Sbornik statey, no. 10. V razdel programmy MGG (ionosfera) Mezhduv. geofiz. SOURCE: 102-115

kom. AN SSSR. Moscow, Izd-vo AN SSSR, 1962.

The equipment used for these measurements during the IGY at 10 different points of the Soviet Union is described. It is capable of measuring the relative time during which the value of the envelope of the atmospheric noise exceeds a given level; quantity is defined by:

 $dt (E_n \ge E)$ 

the measurement time and is the given level, T where

Card 1/3

Measurement of ....

S/831/62/000/010/012/013 E192/E382

 $dt(E_n \ge E)$ is an elementary time increment during which the value of the noise is greater than the given level. A second quantity which can be measured is the average cross-over frequency N(E), i.e. the average number of times the envelope of the noise intersects a given level. The equipment can also measure the quasipeak values of the noise field. The system comprises a non-resonant rod antenna, 5 m long, its characteristics being almost constant at frequencies up to 10 Mc/s. The antenna can be regarded, at this frequency, as consisting of a capacitance of 100 pF and an inductance of 1.8  $\mu H$ . The antenna is followed by an amplifier, a control desk, a receiver, a noise-analyzer, a recorder and a standard signal generator. All these units are described in some detail. The antenna amplifier is provided with 9 different filters at its input, covering various frequency ranges. Type P-674 (R-674) receiver, whose bandwidth was  $\Delta F = 500$  c.p.s., was employed for the frequency range 12 kc/s - 1 Mc/s. The receiver for the frequency range from 2.5 - 10 Mc/s was P-250 (R-250) having a bandwidth of  $\triangle$  F = 1 kc/s. The equipment was calibrated by an audio and ultrasonic generator up to 100 kc/s, while above that the signal-generator, type Card 2/3

Measurement of ....

S/831/62/000/010/012/013 E192/E382

FCC-6 (GSS-6) was employed. The analyzer was an instrument, type  $/\!\!\!/ \Pi \!\!\!- \!\!\!/ 28$  (AP-28), which permitted measurement of the distribution curves P(E) and N(E) as well as determination of the quasi-peak values of the noise. The equipment was used to measure the noise at various points of the Soviet Union, starting at 00 h local time, each measurement period extending over 3 h. Apart from measurement of the distribution functions P(E) and N(E), the average, maximum and minimum monthly values of the noise were calculted. There are 8 figures and 3 tables.

Card 3/3

#### CIA-RDP86-00513R001549210004-5 "APPROVED FOR RELEASE: 08/23/2000

SHEVCHENKE, D.D.

S/122/61/000/001/015/015 A161/A130

AUTHOR:

None given

TITLE:

Authors' abstracts of dissertations

PERIODICAL:

Vestnik mashinostroyeniya, na. 1. 1961, 86 - 87

Brief abstract of eleven dissertations are published, the two first for the degree of Doctor of Technical Sciences, and nine for the degree of Candidate of Technical Sciences. 1) N. M. Karelin, of the Moskovskiy stankoinstrumental nyy institut imeni I. V. Stalina (Moscow Institute of Machine Tools and Instruments im. I. B. Stalin): "Machining parts with curved cross section without the use of tracers". The author has developed a method for plotting kinematic system diagrams for machine tool attachments for machining round parts with the outline traced by epicycloids and hypocycloids or their equidistants. 2) B. A. Morozov, Moskovskoye Vysshaye tekhnichaskoya uchilishcha imeni N. E. Baumana (Moscow School of Higher Technical Education imeni N. E. Bauman): "Study of the work capacity of machines and equipment of metallurgical plant shops", concerning design improvement. The author has developed a method for comprehensive evaluation of the work capacity of machines. It permits the selection of

Card 1/4

Authors' abstracts of dissertations ...

8/122/61/000/001/015/015 A161/A130

optimum designs and determining the engineering calculation data in a short time. 3) Yu. Z. Selyukov of the Moscow Institute of Machine Tools and Instruments imeni Stalin: "Investigation of the vibration resistance of a shaping machine". The author has conducted experiments and gives recommendations. 4) M. B. Palsy, of the Moscow Institute of Machine Tools and Instruments im. Stalin, "Investigation of the milling machine drive". The work concerns gear and balt drive for a milling machine spindle and presents the results of theoretical and experimental studies of the rotation uneverses, and a calculation method for the flyshed inertia moment. The specific features of the belt drive are analyzed. 5) Lu Ch'ao--tseng, of the Moscow institute of Machine Tools and Instruments im. Stalin: "Study of the adhesion and friction phenomena between flat steel surfaces (gage blocks)". The author studied the adhesion and friction forces between Johanson gage blocks in function of the oil film depth, roughness and oil properties; determined the real oil film depth after rubbing-in, the effect of load, the adhesive capacity variation with wear, and investigated the phenomenon of oil separation from inside metal (gage blocks). 6) D. D. Shevchenko of Institut mekhaniki AN USSR (Institute of Mechanics AS UkrSSR): "A study of the contact of a rough surface in the process of pressing into plastic medium". The work concerns the ap-

Card 2/4

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| ! | Authors' abstracts of dissertation                                                       | S/1<br>A16 | \'/61/<br>A130 | <b>/000/001/</b> 015/01 | 5    | ,<br>, |                     |
|   | work elements of hydraulically driven machine t<br>troal analysis and experimental data. | ools". The | e ork          | presents a the          | eros |        |                     |
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Improving the holier-feeding devices. Blek.sta. 29 no.9:70-72
29 no.9:70-72 S '58.
(Boilers)